

20031209.qrp v03\_n129.qrl.20031209

Date: Tue, 9 Dec 2003 19:03:08 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 3129

QRP-L Digest 3129

Topics covered in this issue include:

- 1) [162578] Re: SQRPion Paddles #84 on the air tonight...  
by "Joe Martin" <km5cw@wt.net>
- 2) [162579] Elmer 160: Lesson 3 - old IDE version  
by James R Giammanco <n5ib@juno.com>
- 3) [162580] Re: Changing the 40m QRP frequency?  
by Bruce Muscolino <w6toy@erols.com>
- 4) [162581] F/S  
by "john gabbard" <johngabbard@usintouch.com>
- 5) [162582] Re: SQRPion Paddles #84 on the air tonight...  
by "richqrp" <richqrp@cox.net>
- 6) [162583] Slug tuned coil winding question.  
by "Rod N0RC" <rc7039-hr@yahoo.com>
- 7) [162584] Revised score list for QRP AField 2003  
by Chuck Ludinsky <cludinsky@comcast.net>
- 8) [162585] Re: Alpha Delta Outpost(tm) work-alike ground for Buddistick  
by Michael Babineau <michael.babineau@sympatico.ca>
- 9) [162586] Re: Elmer 160: Lesson 3 - old IDE version  
by "Lew Paceley" <lew@paceley.com>
- 10) [162587] Re: More Shack Cleanup - Ham and Computer Items  
by "Jerry McCollom" <w0mc@radioactivehams.com>
- 11) [162588] Re: [162540] Elmer 160: IMPORTANT - Lesson 3 update  
by "John Farnsworth" <johnfarns@bellsouth.net>
- 12) [162589] RE: Slug tuned coil winding question.  
by "AI2Q" <ai2q@adelphia.net>
- 13) [162590] Re: Solving the wall wart dilemma  
by "Pederson, Glenn" <gpeder@elnet.com>
- 14) [162591] Re: SQRPion Paddles #84 on the air tonight...  
by "Joe Martin" <km5cw@wt.net>
- 15) [162592] Truffle announcement  
by "Juan Ferrari" <puntrad@usa.net>
- 16) [162593] In The Spirit of Christmas (a bit long)  
by NB6M@aol.com
- 17) [162594] GL tomorrow evening, everyone  
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 18) [162595] Michigan QRP Net  
by kwiike@gdls.com
- 19) [162596] Battery Adapters

- by Thom LaCosta <baltimoremd@baltimoremd.com>
- 20) [162597] Re: In The Spirit of Christmas (a bit long)  
by "Armin Hachmer" <armin@muskoka.com>
- 21) [162598] Re: In The Spirit of Christmas (a bit long)  
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 22) [162599] Re: VBL paddle  
by w9ya <w9ya@arrl.net>
- 23) [162600] Getting it right  
by Karl Larsen <k5di@zianet.com>
- 24) [162601] all gone . . . MPLab IDE-6.30 CDs FREE to gQQd homes  
by John R Kirby <n3aaz-qrp@juno.com>
- 25) [162602] re: Battery Adapaters  
by jacksonharbor@att.net
- 26) [162603] Re: Alpha Delta Outpost(tm) work-alike ground for Buddistick  
by Bruce Muscolino <w6toy@erols.com>
- 27) [162604] gel cell question..  
by "Sergio T. Ruiz" <sergio@philway.com>
- 28) [162605] Re: Getting it right  
by Jerry Haigwood <w5jh@swlink.net>
- 29) [162606] Re: gel cell question..  
by John Oppenheimer <KN5L@gte.net>
- 30) [162607] Re: Slug tuned coil winding question.  
by Bruce Muscolino <w6toy@erols.com>
- 31) [162608] Re: gel cell question..  
by "John Shannon" <jsk3wwp@alltel.net>
- 32) [162609] Re: gel cell question..  
by "John J. McDonough" <wb8rcr@arrl.net>
- 33) [162610] Re: gel cell question..  
by John Kalotai <n1olo@yahoo.com>
- 34) [162611] Re: Getting it right  
by Jim Giammanco <giamman@rouge.phys.lsu.edu>
- 35) [162612] FEMA weighs into BPL  
by Jim Giammanco <giamman@rouge.phys.lsu.edu>
- 36) [162613] Re: Slug tuned coil winding question.  
by "Noyce, Bill" <william.noyce@hp.com>
- 37) [162614] gift idea for kids  
by Lloyd Lachow <llachow@yahoo.com>
- 38) [162615] RE: FEMA weighs into BPL  
by "Dennis Ponsness" <wb0wao@hotmail.com>
- 39) [162616] Re: gift idea for kids  
by "Cal Cotner" <cal.jsi@verizon.net>
- 40) [162617] LAB, Sulfated plates.  
by "KXBill" <KXB-1@cox.net>
- 41) [162618] My new HDTV radiates...any rfi suggestions.  
by "Terry" <mutabut@net66.com>
- 42) [162619] Re: FEMA weighs into BPL  
by dave <hottell@gulftel.com>
- 43) [162620] RE: LAB, Sulfated plates.

- by "Nick Foster" <nfooster@bluefinrobotics.com>
- 44) [162621] FREE 5" Round Tin for Construction projects  
by "Tom WB5KHC" <wb5khc@2hams.net>
- 45) [162622] Rigs Gone to Deserving Hams  
by NB6M@aol.com
- 46) [162623] Re: Rigs Gone to Deserving Hams  
by "Joe Martin" <km5cw@wt.net>
- 47) [162624] N2DAN Mercury Paddle on eBay  
by "Bruce Prior" <n7rr@hotmail.com>
- 48) [162625] [AZpaddle] Finishing Hints and Kinks  
by Chuck Adams <k7qo@commspeed.net>
- 49) [162626] re:[microvert] very short antenna  
by Michael Babineau <michael.babineau@sympatico.ca>
- 50) [162627] RE: ScQRPion Paddle  
by Mark Danner <MarkD@mfwl.org>
- 51) [162628] RE: LAB, Sulfated plates.  
by "JBCrafts" <jbcraft@adelphia.net>
- 52) [162629] RE: Rigs Gone to Deserving Hams  
by Adam Farson <farson@shaw.ca>
- 53) [162630] RE: LAB, Sulfated plates. - more  
by "JBCrafts" <jbcraft@adelphia.net>
- 54) [162631] Speaking of bargains  
by "Thomas Lewis" <thomas\_h\_lewis@msn.com>
- 55) [162632] Re: [microvert] very short antenna (but > 50 dB gain)  
by Ingo Meyer DK3RED <dk3red@t-online.de>
- 56) [162633] RE: [microvert] very short antenna  
by "Jim Sheldon" <w0eb@cox.net>
- 57) [162634] FOX: K5TR fox Announcement was FOX: W8RU Fox Announcement  
by George Fremin III <geoiii@kkn.net>
- 58) [162635] Re: [microvert] very short antenna (but > 50 dB gain)  
by "Trevor Jacobs" <kg6cyn@softhome.net>
- 59) [162636] QRP ToTheField 2003 ?  
by Nelson Winter <thenels@go.com>
- 60) [162637] Hint  
by "Marty Hartwell" <chartwell@worldnet.att.net>
- 61) [162638] Re: [microvert] very short antenna  
by Michael Babineau <michael.babineau@sympatico.ca>
- 62) [162639] Power supply -- too many conductors!  
by Kenneth Cooperstein <cprstn54@att.net>
- 63) [162640] ft-817  
by "Anthony Felino" <wn6q@pacinfotech.com>
- 64) [162641] ScQRPion Paddle  
by "richqrp" <richqrp@cox.net>
- 65) [162642] Re: LAB, Sulfated plates.  
by "Mike Yetsko" <myetsko@insydesw.com>
- 66) [162643] Re: [microvert] very short antenna (but > 50 dB gain)  
by "DTX" <dtx@wood.tzo.com>
- 67) [162644] Re: [microvert] very short antenna (but > 50 dB gain)

by Chris Cartwright <ccart@phideaux.com>  
68) [162645] Re: Power supply -- too many conductors!  
by "Mike Yetsko" <myetsko@insydesw.com>  
69) [162646] Re: [microvert] very short antenna (but > 50 dB gain)  
by "Trevor Jacobs" <kg6cyn@softhome.net>

-----  
Date: Mon, 8 Dec 2003 17:46:24 -0600  
From: "Joe Martin" <km5cw@wt.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [162578] Re: SQRPIon Paddles #84 on the air tonight...  
Message-ID: <006701c3bde5\$7df34040\$268177d8@JoesHome1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

FB my #62 was in the mail today so guess I'll be polishing some tonight.  
I decided to add the keyer from AMqrp to go with it, wow what a deal, if you  
haven't been paying attention let me tell you this is a fully functional top  
of the line keyer with just about every whistle and bell you can think of  
included. Anywhere else and you wouldn't be able to touch it for under 50  
bucks.

Warning on the polishing of bottom of base, I almost polished off my #062  
trying to get a smooth finish with no pits, it's not worth it, no one will  
see the little side pitting when your finished.

Watch out for that spring.

73 de KM5CW, Joe

ARCI #11368 FP#-697 FISTS#4217

GRID EM13kf FtWorth,Tx

32:49:31N 97:06:13W

(<http://www.km5cw.org>)

-----| Virus Scanned by Symantec |-----

----- Original Message -----

From: "Brad Hedges" <bhedges@nc.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Monday, December 08, 2003 3:36 PM  
Subject: SQRPIon Paddles #84 on the air tonight...

> Want to say a BIG THANKS to the Az Scorpions for a great deal on a really  
> neat set of small paddles. Got mine in the mail today (while I was putting  
> up another section on my tower and moving my vertical up there) along with  
> the BNC coax cables I bought which were also offered here. It's like  
> Christmas, early!

>

> Thanks, folks, and 73,

>  
> K0BHC  
> Brad  
>  
>

-----  
Date: Mon, 08 Dec 2003 15:50:45 PST  
From: James R Giammanco <n5ib@juno.com>  
To: wb8rcr@arrl.net, qrp-1@Lehigh.edu  
Subject: [162579] Elmer 160: Lesson 3 - old IDE version  
Message-ID: <20031208.184113.8639.3.n5ib@juno.com>

I'm stuck with an antique computer and OS. So I'm using MPLab v5.20 under Win95.

Under this IDE the project setup is not quite so automatic as in the newer versions, but I did succeed in building the test project. In particular you may need to explicitly specify a path for the "include" files.

So if anyone else is laboring under these constraints we might be able to form a "support group" :^))

72, ooops, I meant H'48'  
Jim N5IB

-----  
The best thing to hit the internet in years - Juno SpeedBand!  
Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

-----  
Date: Mon, 08 Dec 2003 18:49:24 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: KXB-1@cox.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [162580] Re: Changing the 40m QRP frequency?  
Message-ID: <3FD50E04.3D46617D@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

That's a matter of tradition! Tradition is something that keeps you from intelligent decisions!

Bruce

>

> Right on....Sorry we don't have the fox hunt down there during the  
> winter months.>

-----  
Date: Mon, 8 Dec 2003 16:45:19 -0800  
From: "john gabbard" <johngabbard@usintouch.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [162581] F/S  
Message-ID: <003501c3bded\$b8b4eeb0\$81811c0c@john>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have a nice QF1A audio filter that is not being used. I would like to trade it for a nice SWR meter like a WM1 or 2 or anything else interesting? Whatta goat?? Tks. 73's John KF70M

-----  
Date: Mon, 8 Dec 2003 16:49:56 -0800  
From: "richqrp" <richqrp@cox.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [162582] Re: SQRPIon Paddles #84 on the air tonight...  
Message-ID: <001c01c3bdee\$5d710560\$c1770744@wd6fddstssz5sg>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

When I get started on #33, (I have a million things going on right now) after reading all this trouble of the spring, I think I am going to tie a piece of thread to it , once in, I will cut the thread...

73's, Rich

----- Original Message -----

From: "Joe Martin" <km5cw@wt.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Monday, December 08, 2003 3:46 PM

Subject: Re: SQRPion Paddles #84 on the air tonight...

> FB my #62 was in the mail today so guess I'll be polishing some tonight.  
> I decided to add the keyer from AMqrp to go with it, wow what a deal, if  
you  
> haven't been paying attention let me tell you this is a fully functional  
top  
> of the line keyer with just about every whistle and bell you can think of  
> included. Anywhere else and you wouldn't be able to touch it for under 50  
> bucks.  
> Warning on the polishing of bottom of base, I almost polished off my #062  
> trying to get a smooth finish with no pits, it's not worth it, no one will  
> see the little side pitting when your finished.  
> Watch out for that spring.  
> 73 de KM5CW, Joe  
> ARCI #11368 FP#-697 FISTS#4217  
> GRID EM13kf FtWorth,Tx  
> 32:49:31N 97:06:13W  
> (<http://www.km5cw.org>)  
> -----| Virus Scanned by Symantec |-----  
> ----- Original Message -----  
> From: "Brad Hedges" <bhedges@nc.rr.com>  
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> Sent: Monday, December 08, 2003 3:36 PM  
> Subject: SQRPion Paddles #84 on the air tonight...  
>  
>  
> > Want to say a BIG THANKS to the Az Scorpions for a great deal on a  
really  
> > neat set of small paddles. Got mine in the mail today (while I was  
putting  
> > up another section on my tower and moving my vertical up there) along  
with  
> > the BNC coax cables I bought which were also offered here. It's like  
> > Christmas, early!  
> >  
> > Thanks, folks, and 73,  
> >  
> > K0BHC  
> > Brad  
> >  
> >  
>  
>

-----

Date: Mon, 8 Dec 2003 18:40:47 -0700  
From: "Rod N0RC" <rc7039-hr@yahoo.com>  
To: "qrp-l" <qrp-l@Lehigh.EDU>  
Subject: [162583] Slug tuned coil winding question.  
Message-ID: <002f01c3bdf5\$787e82e0\$6401a8c0@bigdog>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks,

I'm helping another QRP-Ler trouble-shoot and fix a small HB  
RCVR. We need a slug tuned inductor for the VFO of 4.5uH,  
nominal. We've found forms upon which to wind the inductor. What  
we lack is a formula to calculate the number of turns required.  
Can someone provide a pointer to literature that will help us  
build this inductor?

TIA & 73, Rod N0RC  
\*\*Happy Holidays\*\*

-----  
Date: Mon, 08 Dec 2003 20:43:26 -0500  
From: Chuck Ludinsky <cludinsky@comcast.net>  
To: neqrp@jonal.net, qrp-l@lehigh.edu  
Subject: [162584] Revised score list for QRP Afield 2003  
Message-ID: <3FD528BE.4000603@comcast.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Oops, missed W2AGN -- here's the revised list for QRP Afield 2003.  
Thanks for letting me know, John.

72,  
Chuck/K1CL

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Call	QSOs	SPCs	Class	Total
------	------	------	-------	-------



K7RE	101	31	10	31310
K0ZK	62	34	10	21080
W5YA	78	26	10	20280
WD7Y	65	31	10	20150
KD40RO	51	24	10	12240
W5BI	43	25	10	10750
W0UFO	42	22	10	9240
K5JHP	31	22	10	6820
W2AGN	32	20	10	6400
WQ4RP	44	25	5	5500
VE3KQN	33	16	10	5280
K1CL	7/37	4/22	10/5	4350
K1LGQ	25	15	10	3750
W5KDJ	29	18	5	2610
K4JSI/1	22	10	10	2200
K8KFJ	19	15	5	1425
AA7EQ	16	11	5	880
KW3U	10	7	10	700
KC6ZTT	12	9	5	540
K4UK	9	6	10	540
W1PID	1/6	1/4	10/5	130

-----

Date: Mon, 8 Dec 2003 20:45:53 -0500  
From: Michael Babineau <michael.babineau@sympatico.ca>  
To: qrp-1@Lehigh.EDU  
Cc: w6toy@erols.com  
Subject: [162585] Re: Alpha Delta Outpost(tm) work-alike ground for Buddistick  
Message-ID: <6C80F73D-29E9-11D8-8F7A-00039309268A@sympatico.ca>  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Mime-Version: 1.0 (Apple Message framework v552)  
Content-Transfer-Encoding: 7bit

Bruce :

Yes the foil strips are electrically connected to the shield of coax.  
This is an important point.

I apologize for not being able to post the pictures to the web ... this  
is  
a case where a picture certainly is worth a thousand words and  
I'm sure would make this whole thing a lot clearer.

Note that there was an article in QST a little while back where the  
author did  
a similar thing to what I have done, with the exception that he built  
his  
own aluminum tripod and simply sat it on the foil strips. I felt that  
you  
really needed to make sure that the connections were solid so I chose  
to make  
mine out of three continuous strips of foil tape connected at the base  
of  
the antenna to the coax shield. Also my version is a bit easier to  
build. The  
author of the QST article folded the foil back and stuck it onto itself  
for the  
whole length. You can't imagine how difficult this is until you try it!  
Sticking 9ft lengths of aluminum foil tape onto plastic sheeting in a  
more  
or less straight line is challenging enough.

I am using one of W3FFs Buddistick(tm) Tripods, which is basically a  
small composite camera tripod with an extra long camera mounting  
screw extending out the top. Budd sells a neat little mounting plate  
that slides over  
this screw and attaches using a rubberized knob. The mounting plate  
itself is a 2 inch  
aluminum square with the standard 3/8 - 24 mount on the top and the  
SO-239 on the bottom.

An important point here is because I am stacking three of these foil/plastic strips they need to be conductive on both sides, at least at the end where they are being connected together. I achieved this by leaving a extra three inches or so of foil tape to extend past the end of the plastic strip. Then I just folded the foil tape around to the underside of the strip and stuck it there. So when I punched the hole with a paper punch it went through foil tape, plastic and then foil tape.

Michael VE3WMB

P.S. I got a few requests to see the photos. Anyone else who is interested drop me a note ... I'll email them out shortly ... only about 300k bytes.

-----  
Date: Mon, 8 Dec 2003 19:54:48 -0600  
From: "Lew Paceley" <lew@paceley.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Cc: <n5ib@juno.com>  
Subject: [162586] Re: Elmer 160: Lesson 3 - old IDE version  
Message-ID: <001301c3bdf7\$7002a860\$6501a8c0@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Hey Jim,  
I've had MPLAB 6.12 running for a months on my Win95 system. It hasn't ever crashed or behaved oddly. Just because it wasn't tested on Win95 doesn't mean it doesn't work :). Seriously though, while there are significant differences in peripheral support between Win 98 and Win 95 (USB for example), the core OSs really aren't \_that\_ different. Just don't expect much help from Microchip on bugs and what not.

You might try downloading version 6.10 from the Microchip IDE archives, or if you're feeling especially adventurous, version 6.40, and give it a go. Version 6.10 should be very compatible with the lesson plan since the big user interface jump was between MPLAB 5.7 and 6.0.

I have 128 MB of RAM and a Celeron 400, BTW.

Good luck!

72/73,  
\*Lew\*  
N5ZE

-----  
Date: Mon, 8 Dec 2003 18:55:51 -0700  
From: "Jerry McCollom" <w0mc@radioactivehams.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [162587] Re: More Shack Cleanup - Ham and Computer Items  
Message-ID: <006d01c3bdf7\$9627d330\$8c01a8c0@hampc>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The RedHot40, one MFJ-1702C, and a WAP11 have been sold. The rest is still available.

- > 1. Delta-4 4-position Coax Switch
- > New and unused -- paid \$79, yours for \$70 shipped.
- >
- > 2. MFJ-1702C 2-position coax switch.
- > I have two of these available. \$17 ea. or \$30 for both.
- Only 1 left
- > 3. Norcal 20 Club Kit - Unbuilt
- > Including the 10-turn pot and parts to make it equivalent to the RedHot 20.
- > \$95 shipped.
- > Computer Stuff
- > -----
- >
- > 1. PNY GeForce 4 TI4600 3D Video Card
- > 128MB AGP 4X
- > \$110
- >
- > 2. PNY GeForce 4 TI4200 3D Video Card
- > 64MB AGP 4X
- > \$70
- >
- > 3. ABIT Siluro GFS GeForce 3 Ti500 3D Video Card

> 64MB AGP 4X  
> \$55  
>  
> 4. Linksys WAP11  
> 802.11B Access Point  
> Full details at:  
> <http://www.linksys.com/products/product.asp?prid=563&scid=35>  
>  
> I have two of these I used for a wireless bridge I no longer need. \$50  
each  
> or \$95 for both (these can bridge with each other for the link).

Only one left at \$50.

73,  
Jerry  
WOMC

-----  
Date: Mon, 8 Dec 2003 21:08:39 -0500  
From: "John Farnsworth" <[johnfarns@bellsouth.net](mailto:johnfarns@bellsouth.net)>  
To: <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [162588] Re: [162540] Elmer 160: IMPORTANT - Lesson 3 update  
Message-ID: <[DIEHLGHLBGPNJENLGEBKIEOECBAA.johnfarns@bellsouth.net](mailto:DIEHLGHLBGPNJENLGEBKIEOECBAA.johnfarns@bellsouth.net)>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

original message:  
Anyway, on Page 5, before you save the project ...

Select 'Configure->Select Device...'  
In the device drop down, select PIC16F84A  
Click OK.

I'll go ahead and add that to the PDF.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>  
didileydadidah QRP-L #1446 Code Warriors #35

Great! That fixed most of my compile problems, (XP machine) but I had one  
more that I wondered if anybody else found.

I got an error when it tried to read the include file. Turns out that all my include files don't begin with the ">", they are just the processor version. Once I took that out, it compiled.

Anybody else see this?

-----  
Date: Mon, 8 Dec 2003 21:52:02 -0500  
From: "AI2Q" <ai2q@adelphia.net>  
To: <rc7039-hr@yahoo.com>  
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>  
Subject: [162589] RE: Slug tuned coil winding question.  
Message-ID: <000401c3bdff\$6d82baa0\$6401a8c0@hq.cmp.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ron, if you didn't include the need for a core, the ARRL lightning Calculator would quickly give you the results you're looking for (and, no batteries needed).

If you give me the size of your coil form, I can run the calculation (it's also in automated form on the Web somewhere). Then you can insert the core. If the core is iron or ferrite, the value of L will increase as the core is inserted; if the core is brass, the value of L will decrease.

By the way, this is why I own an old Heathkit Q-meter! (you can see it on my Web site)

But, you can use a GDO and a "standard capacitor" (refer to the Handbook) to back into the value, too, as you test your construction of the coil.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687  
<http://users.adelphia.net/~alexmm/ai2q.htm>

.-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Rod NORC  
Sent: Monday, December 08, 2003 8:41 PM  
To: Low Power Amateur Radio Discussion  
Subject: Slug tuned coil winding question.

Folks,

I'm helping another QRP-Ler trouble-shoot and fix a small HB RCVR. We need a slug tuned inductor for the VFO of 4.5uH, nominal. We've found forms .....

-----  
Date: Mon, 08 Dec 2003 21:02:21 -0600  
From: "Pederson, Glenn" <gpeder@elnet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Cc: Kenneth Cooperstein <cprstn54@att.net>  
Subject: [162590] Re: Solving the wall wart dilemma  
Message-ID: <3FD4E6DD.27176.302EE13@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

Ken,

Type "Liberator" in the search box at

<http://www.cyberguys.com>

Glenn Pederson, WB9QIQ  
gpeder@elnet.com

-----  
Date: Mon, 8 Dec 2003 22:29:09 -0600  
From: "Joe Martin" <km5cw@wt.net>  
To: "QRP-l" <qrp-l@Lehigh.EDU>  
Subject: [162591] Re: SQRPion Paddles #84 on the air tonight...  
Message-ID: <00ca01c3be0c\$fe6d8060\$268177d8@JoesHome1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

<http://www.swlink.net/~w5jh/brasspaddle.htm>

There are links on this page for building and finishing the key.

I just finished the base, it takes a lot longer than the small one mainly because the brass wasn't milled 100% flat, depending on top or bottom there is a slight warp

which could have happened while cutting each plate. Brass has a tendency to warp when it gets hot, also if you are using the cream polish to get that fine finish it's good to have a bit of cheep ammonia and tooth brush to clean the cream residue off, it'll clear your sinus out as a side effect. Watch out for the # the middle # in mine faded away quite a bit, I'll keep the shipping pkg to prove it's really #62 <g>.

Great job of milling the pieces, the crew really worked their buns off on this one,

72, 73 de KM5CW, Joe

ARCI #11368 FP#-697 FISTS#4217

GRID EM13kf FtWorth,Tx

32:49:31N 97:06:13W

(<http://www.km5cw.org>)

-----| Virus Scanned by Symantec |-----

----- Original Message -----

From: <asshole@ameritech.net>

To: <km5cw@wt.net>

Sent: Monday, December 08, 2003 9:54 PM

Subject: RE: SQRPion Paddles #84 on the air tonight...

> Howdy...

> I haven't had much time for radio,let alone the qrp-l...

> I saw your talk about a scorpion key?

> Any more info on it? I couldn't find it on their website,or on norcals...

> Hope they are still available

> Thanks Much!

> John

> N9ukx

>

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of

> Joe Martin

> Sent: Monday, December 08, 2003 5:46 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: SQRPion Paddles #84 on the air tonight...

>

> FB my #62 was in the mail today so guess I'll be polishing some tonight.

> I decided to add the keyer from AMqrp to go with it, wow what a deal, if you

> haven't been paying attention let me tell you this is a fully functional top

> of the line keyer with just about every whistle and bell you can think of



> included. Anywhere else and you wouldn't be able to touch it for under 50  
> bucks.  
> Warning on the polishing of bottom of base, I almost polished off my #062  
> trying to get a smooth finish with no pits, it's not worth it, no one will  
> see the little side pitting when your finished.  
> Watch out for that spring.  
> 73 de KM5CW, Joe  
> ARCI #11368 FP#-697 FISTS#4217  
> GRID EM13kf FtWorth,Tx  
> 32:49:31N 97:06:13W  
> (<http://www.km5cw.org>)  
>  
>

-----  
Date: Tue, 9 Dec 2003 04:27:58 -0000  
From: "Juan Ferrari" <puntrad@usa.net>  
To: "Piggies-L" <fpqrp-l@mpna.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [162592] Truffle announcement  
Message-ID: <000d01c3be0c\$d5334d60\$35524b43@puntana.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Gang.  
I will be the truffle tomorrow. I will be calling CQ FP on 7043 +- QRM. The first call will be Wednesday 10 at 1:30Z (Tuesday 9 at 8:30 PM EST). Be prepared for a very weak signal. I will be using my SW-40+ to the PAC-12. I will begin listening in my frequency and if there is more than one calling me I will probably suffer a hart attack.  
CU there. Hoppe to meet all of you.  
72  
Juan - KG4FSN

-----  
Date: Tue, 9 Dec 2003 01:46:01 EST  
From: NB6M@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [162593] In The Spirit of Christmas (a bit long)  
Message-ID: <5f.42c0c7fd.2d06c9a9@aol.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi All,

Since I haven't posted anything on the list in quite a while, I thought I would share a couple of things with you.

First of all, this last year has been a very busy one for me, requiring me to divide my time between house remodelling projects and sailing (poor me, right? Grin)

But, what that meant, in terms of Ham Radio, is that I didn't get very many projects built. However, the ones I did get done have turned out pretty nicely, and I would be more than happy to share info with anyone who is interested.

The first project was a 40 Meter CW XCVR, based on the S7C receiver shown in Wes Hayward's newest book. Turned out really well, tuning all of the CW portions of 40 Meters, and gives me many ideas for expansion and further projects, hi hi. Those of you who attended Pacificon already know about that one.

The second is a small, simple, Direct Conversion receiver, that tunes all of the 40 Meter Band, and more, that uses only transistors, no ICs, and parts that anyone can find almost anywhere. Nice sound, plenty of sensitivity, and lets you listen to anything you want, in and around the band. Could easily be built for any band from 160 up through 30, and for 20 and on up if one added a low noise RF amp. NorCal is going to kit this one, I'm told, as a beginner's receiver. But, this one is better than that. You'll just have to listen to it, to know, hi hi.

But, back to the spirit of Christmas.

I had a really nice thing happen to me today. Don, K5KW, knowing that I lived in Fort Gibson, Oklahoma, as a kid, and that I started out in Ham Radio there, sent me a clipping from the local newspaper that brought back a flood of memories, and also reminded me of what Ham Radio is really all about. It is about friendship, shared interests, and about reminding us all that we are all in this world together. What each one of us does, in the long run, affects the rest.

Don did a really nice, thoughtful thing for me, even though we have had only one QSO before, on 80 Meters, me with my converted SMK-1 with 3/4 of a Watt output. He reminded me of what Ham Radio is all about.

So, when I looked around my shack, I saw that I was more than blessed with QRP gear. I have at least a couple of 20 Meter Transceivers that I don't use, and maybe some more items if I really look closely.

For now, definitely, if any of you know of a beginning ham that has taken the step of getting licensed, that is in need of a small rig, please let me know.

I have the following to donate to a worthy new ham:

One NorCal 20 - perfect working order, with ten turn pot. It is a nice, 5 Watt output 20 Meter QRP rig.

One MFJ 9020 20 Meter QRP Transceiver. Again, a nice, 5 Watt output 20 Meter QRP rig.

Now, I know that there are probably more than two needy new hams out there, but here is a start. The NorCal 20 would be especially appropriate for a new ham in Europe.

So, guys, let me know if there is someone in your area that is deserving of, and could really use either of these rigs. If it is someone who is really short on funds, but is licensed and ready to go, I will even pay for shipping.

Very best 72/73, and Happy Holidays to all,

Wayne NB6M

-----  
Date: Tue, 9 Dec 2003 1:30:20 -0600  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [162594] GL tomorrow evening, everyone  
Message-ID: <412003122973020417@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Just wanted to wish everyone good luck and great propagation for tomorrow evening's Truffle and FOX hunts.

Recently I lost two antenna masts in some high wind gusts (60 miles per hour!). Have since then put up three portable antennas, one a shorty G5RV inverted vee, the other my usual "Inverted WYE" with 4 above ground radials. They are all supported by KANGA 33' fibreglass collapsible masts. Hopefully they will get the job done tomorrow evening. My new QTH is in the mountains east of Albuquerque, at about 6800' above sea level.

Anyway, best wishes to everyone for success tomorrow evening.  
Thanks in advance to those serving as Truffle and FOXes.

73,  
--Doc/K0EVZ

-----  
Date: Tue, 9 Dec 2003 07:09:57 -0500  
From: kwike@gdls.com  
To: qrp-1@Lehigh.EDU  
Subject: [162595] Michigan QRP Net  
Message-ID: <0F427BD5A1.3B876C78-ON85256DF7.0042B675@gdls.com>  
MIME-Version: 1.0  
Content-transfer-encoding: quoted-printable  
Content-type: text/plain; charset=iso-8859-1

We had ten check-ins last week from six states.=A0 Conditions were very=  
good  
early but they seemed to fade as the net went on.=A0 A special first-ti=  
me  
welcome to Loren.

=A0=A0=A0=A0=A0=A0=A0 S=A0=A0 R  
WA8BXN 599 599 CLEVELAND=A0 OH MIKE  
K8CV=A0=A0 599 599 ROYAL OAK=A0 MI WALT  
AA1MY=A0 599 599 BETHEL=A0=A0=A0=A0 ME SEAB  
W2SH=A0=A0 599 579 MILLINGTON NJ CHARLES  
WA8REI 599 599 FREELAND=A0=A0 MI KEN  
KE9V=A0=A0 559 599 MUNCIE=A0=A0=A0=A0 IN JEFF  
KA8ONW 569 599 MASON=A0=A0=A0=A0=A0 MI MARK  
K8JR0=A0 599 599 FLINT=A0=A0=A0=A0=A0 MI JERRY  
WD5HIO 539=A0=A0=A0=A0 LOUDEVILLE OH LOREN  
WA9PWP 579 589 STOUGHTON=A0 WI PAUL

The Michigan QRP Net meets each Tuesday night on 3.535 MHz +/- QRM at 9=  
:00  
PM Eastern time.=A0 All hams are welcome.=

-----

Date: Tue, 9 Dec 2003 07:28:59 -0500 (EST)  
From: Thom LaCosta <baltimoremd@baltimoremd.com>  
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>  
Subject: [162596] Battery Adapaters  
Message-ID: <20031209072616.S57277-100000@unix1.vhost.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Wish I knew the right term, but I'm hoping someone else has purchased/knews where to obtain the "dummie" battery shells that let you use a AA cell in place of a D cell.

I know, there capacity is different, etc, but so many rechargeable D cells are AA cells in bigger housings.

I really don't want to pay RShack and arm and a leg for rechargeable D Cells.

thanks

Thom

baltimoremd@baltimoremd.com	Thom LaCosta K3HRN Webmaster
<a href="http://www.baltimoremd.com/">http://www.baltimoremd.com/</a>	Baltimore's Home Page
<a href="http://www.baltimorehon.com/">http://www.baltimorehon.com/</a>	Home of the Baltimore Lexicon
<a href="http://www.zerobeat.net">http://www.zerobeat.net</a>	Home of The QRP Web Ring and DrakeList
<a href="http://www.tlchost.net">http://www.tlchost.net</a>	Web Hosting as low as \$3.49/month

-----  
Date: Tue, 9 Dec 2003 07:44:18 -0500  
From: "Armin Hachmer" <armin@muskoka.com>  
To: <NB6M@aol.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [162597] Re: In The Spirit of Christmas (a bit long)  
Message-ID: <003f01c3be52\$29fabdc0\$436c7bd8@muskoka.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Nice one Wayne.  
Its all about doing it.  
Hope you find a couple of  
folks and create lifelong memories for them as well.  
Armin VE3TEQ

-----  
Date: Tue, 9 Dec 2003 07:43:09 -0500 (EST)  
From: Thom LaCosta <baltimoremd@baltimoremd.com>  
To: NB6M@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [162598] Re: In The Spirit of Christmas (a bit long)  
Message-ID: <20031209074156.N57277-1000000@unix1.vhost.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 9 Dec 2003 NB6M@aol.com wrote:

>  
> So, guys, let me know if there is someone in your area that is deserving of,  
> and could really use either of these rigs. If it is someone who is really  
> short on funds, but is licensed and ready to go, I will even pay for shipping.

Great idea Wayne....a tremendous example of the people side of Ham Radio.

73

Thom

baltimoremd@baltimoremd.com	Thom LaCosta K3HRN Webmaster
<a href="http://www.baltimoremd.com/">http://www.baltimoremd.com/</a>	Baltimore's Home Page
<a href="http://www.baltimorehon.com/">http://www.baltimorehon.com/</a>	Home of the Baltimore Lexicon
<a href="http://www.zerobeat.net">http://www.zerobeat.net</a>	Home of The QRP Web Ring and DrakeList
<a href="http://www.tlchost.net">http://www.tlchost.net</a>	Web Hosting as low as \$3.49/month

-----  
Date: Tue, 9 Dec 2003 08:21:41 -0500  
From: w9ya <w9ya@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [162599] Re: VBL paddle  
Message-ID: <200312090821.41465.w9ya@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

On Monday 08 December 2003 02:19 pm, Michael Goins wrote:  
> 3063112521

As of the time I am sending this -> The price is a STEAL !!! (\$ 120)

Bob  
w9ya

-----  
Date: Tue, 9 Dec 2003 06:24:30 -0700 (MST)  
From: Karl Larsen <k5di@zianet.com>  
To: qrp-l@lehigh.edu  
Subject: [162600] Getting it right  
Message-ID: <Pine.LNX.4.44.0312090609570.4692-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Boy there is more to the ScQRPian paddle than I thought. After getting the spring found I had the paddle ready to set up, but something seemed wrong. I took it to our coffee clutch and it got passed around. Rodney looked and said one paddle arm was not straight. I looked and sure enough it was riding up on the solder I used to connect the arm to ground.

So off with the arm and find the jewlers file kit and file away the solder, and the wire. Re-solder the wire and file less energetically and then put it back together. Now the arms are straight and look the same.

This morning I plugged into my keyer and with screwdriver and longnose pliers I got the dot and space gaps as small as possible. Sent a little code and was happy but wanted the fingers a little closer. I am used to a Bencher which are closer. But I don't think I can mount the guitar picks inside because the screw heads will be too close, I think.

And I'm going to buy a really cheap pair of earphones for the plug and wire. The wire I am using is too fat.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPians -

-----  
Date: Tue, 9 Dec 2003 08:20:39 +0000  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: qrp-l@Lehigh.EDU

Subject: [162601] all gone . . . MPLab IDE-6.30 CDs FREE to gQQd homes  
Message-ID: <20031209.082257.-196647.5.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

WOW ! What a response.

Sorry I can not fill them all.

In a week or so . . .  
the same CDs \*WILL\* be up for grabs again here on qrp-l  
and maybe even an additional copy or three :>)

John  
N3AAZ  
OOTC  
FM 19 xa

---

The best thing to hit the internet in years - Juno SpeedBand!  
Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

-----  
Date: Tue, 09 Dec 2003 13:23:59 +0000  
From: [jacksonharbor@att.net](mailto:jacksonharbor@att.net)  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [162602] re: Battery Adapters  
Message-ID: <120920031323.15002.408c@att.net>

>Wish I knew the right term, but I'm hoping someone else has  
>purchased/knews where to obtain the "dummie" battery shells  
>that let you use a AA cell in place of a D cell.

Thom -

The Cyberguys have something called the upsizer:

<<http://www.cyberguys.com/templates/searchdetail.asp?T1=161+0385>>

I've never tried them - they look a little expensive to me at \$3.99

Best Regards,

Chuck Olson, WB9KZY



Jackson Harbor Press  
<<http://jacksonharbor.home.att.net/>>

-----  
Date: Tue, 09 Dec 2003 08:50:15 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: michael.babineau@sympatico.ca  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [162603] Re: Alpha Delta Outpost(tm) work-alike ground for Buddistick  
Message-ID: <3FD5D317.4FCAD4E@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Michael,

What you have made is a good homebrew alternative to a commercial product. That really is the basis of all homebrewing. Someone sees a commercial product and says, for whatever reason, I can do that without spending all that money.

I understand better what you have done. As you may know, I am quite a proponent of having a good RF ground. I hope you will not stop at the aluminium strips, but experiment with both various ground configurations and various materials too.

Hamstick and others used to market various mounts for their antennas. I have several mounts including a tripod mount. No fancy rubberized knob, but it holds the antenna just the same! You might look and see what is available there.

Please send me the pictures, I'd like to see your work.

73

-----  
Date: Tue, 09 Dec 2003 09:01:16 -0500  
From: "Sergio T. Ruiz" <sergio@philway.com>  
To: "qrp-1-Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [162604] gel cell question..  
Message-ID: <5.1.0.14.0.20031209085812.00b31af0@mail.neobright.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

although my k1 building will be on hold for about a week (i have the filter board and front panel done!) as we finally get to move (woo hoo!) i thought i would ask this before i get there..

is there any trick to charging those 10ah gel cells i see floating around?

i would love to use one to power my k1 in the field, and maybe even while i am at home.. so i can keep from turning on a power supply and having yet more cables in the area..

this would also give me a good feel for battery life without having to sweat it..

thanks in advance..

oh! and for the record..

i went with 150khz tuning, and 17m...

thanks again!

-----  
Sergio T. Ruiz  
technology and MIS  
Philway Products, Inc.  
(419) 281-7777 x232

-----  
Date: Tue, 09 Dec 2003 07:12:13 -0700  
From: Jerry Haigwood <w5jh@swlink.net>  
To: k5di@zianet.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [162605] Re: Getting it right  
Message-ID: <3FD5D83D.68EDD584@swlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Karl Larsen wrote:

> Boy there is more to the ScQRPian paddle than I thought. After  
> getting the spring found I had the paddle ready to set up, but something  
> seemed wrong. I took it to our coffee clutch and it got passed around.  
> Rodney looked and said one paddle arm was not straight. I looked and  
> sure enough it was riding up on the solder I used to connect the arm to

> ground.  
>  
> So off with the arm and find the jewlers file kit and file away  
> the solder, and the wire. Re-solder the wire and file less energetically  
> and then put it back together. Now the arms are straight and look the  
> same.  
>  
> This morning I plugged into my keyer and with screwdriver and  
> longnose pliers I got the dot and space gaps as small as possible. Sent  
> a little code and was happy but wanted the fingers a little closer. I am  
> used to a Bencher which are closer. But I don't think I can mount the  
> guitar picks inside because the screw heads will be too close, I think.  
>  
> And I'm going to buy a really cheap pair of earphones for the  
> plug and wire. The wire I am using is too fat.  
>  
> --  
>  
> - Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Karl,

To mount the paddle fingers on the inside of the arms, carefully countersink the holes in the guitar picks to accept a 4-40 x 1/4 inch long flat head screw. With the guitar pick properly countersunk, the flat head screw will fit flush with the pick and allow plenty of clearance. Your outside to outside spacing of the picks will be approximately 1/4 inch - probably closer to the Bencher's spacing. I personally prefer the wider spacing but each to his/her own. :-) If you mess up the guitar picks, we sell spares at \$2 a set + an SASE.

The headphone wire you mentioned is by far the best to use on these paddles. I highly recommend it. Look for it at dollar stores. Many times you can find a cheap pair of head phones with the stereo plug molded on the usually short wire. Sacrifice the headphones and use the wire/plug. BTW, AZ ScQRPion leader John Stevens, K5JS, is the "king" of dollar stores. He finds more bargains than the rest of us put together!

Jerry W5JH

-----  
Date: Tue, 09 Dec 2003 08:14:34 -0600  
From: John Oppenheimer <KN5L@gte.net>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [162606] Re: gel cell question..  
Message-ID: <3FD5D8CA.6010705@gte.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

The best way to charge led acid batteries is to charge at a fixed current until the voltage gets to a maximum voltage (14-15V look at battery specifications), than drop to a constant 13.8 volts. I opted to purchase a SLA charger that does that. Look at my QRP page at <http://kn5l.net/qrp/> where you will find a link to the charger and a link to the SLA that I am using.

John

-----  
Date: Tue, 09 Dec 2003 09:12:06 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: rc7039-hr@yahoo.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [162607] Re: Slug tuned coil winding question.  
Message-ID: <3FD5D836.F26A2CEB@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Rod,

As I said in an earlier post, winding a slug tuned inductor is no different than winding a toroid. But to wind a slug tuned coil you must know the properties of the slug material, ust as you have to know what type of toroid you are using.

The best place to find this information is the literature that comes with the form. If you are buying boxed forms, try asking the vendor, or you will be shooting in the dark.

There is one approach that might save your project. That is to wind a small coil on the form and grid dip it when connected across a known capacitor. If you put the slug in about its center position and use the dip meter, you will have a turns value from which you can wind an actual coil.

I would use the handbook formula for solenoid type windings to do the final coil. 4.5 mHy is a pretty big coil. It will probably take several layers.

Another idea you might try is to use small IF type coils. Mouser used to sell small F type coils in various values. A few minutes browsing through their catalog might turn up a suitable substitute. I know, it won't fit the plans like the original, but you are homebrewing a receiver. You can work out a satisfactory mount.

I seem to remember a T and handbook receiver that used a 4.5 mHy slug tuned coil for its VF0. A friend built one and it was pretty good! Of course, that was when you could go down and buy all the parts!

72

-----  
Date: Tue, 9 Dec 2003 09:18:47 -0500  
From: "John Shannon" <jsk3wwp@alltel.net>  
To: "QRP Mail List" <qrp-l@lehigh.edu>  
Subject: [162608] Re: gel cell question..  
Message-ID: <000b01c3be5f\$630a5d20\$411927a2@alltel.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Sergio,

My web site has a good article written by my friend Dave, VA3RJ about gel cell (and other type) batteries for QRP operation. You may find the info you need there.

Go to my CW Section - FISTS Columns page, and read column # 030.

~~~~~  
73 - John, K3WWP - 100% CW & QRP  
using simple wire antennas.

<http://home.alltel.net/johnshan/>

My website is now in its eighth year  
of operation and includes the following:

DX QSL Routes \*\* Operating Tips  
QRP Rigs Info \*\* CW Contest Calendar  
Daily Propagation Info \*\* Your CW Stories  
Teens and CW \*\* Monthly polls  
Categorized Quality Links \*\* MUCH MORE

If you love Morse Code, please join the  
FISTS club - <http://www.fists.org>  
I'm proud to be FISTS # 2002

~~~~~

----- Original Message -----

From: "Sergio T. Ruiz" <[sergio@philway.com](mailto:sergio@philway.com)>  
To: "Low Power Amateur Radio Discussion" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Sent: Tuesday, December 09, 2003 9:01 AM  
Subject: gel cell question..

>  
> although my k1 building will be on hold for about a week (i have the  
filter  
> board and front panel done!) as we finally get to move (woo hoo!) i  
thought  
> i would ask this before i get there..  
>  
> is there any trick to charging those 10ah gel cells i see floating around?  
>  
> i would love to use one to power my k1 in the field, and maybe even while  
i  
> am at home.. so i can keep from turning on a power supply and having yet  
> more cables in the area..  
>  
> this would also give me a good feel for battery life without having to  
> sweat it..  
>  
> thanks in advance..  
>  
> oh! and for the record..  
>  
> i went with 150khz tuning, and 17m...  
>  
> thanks again!  
>  
> ----  
> Sergio T. Ruiz  
> technology and MIS  
> Philway Products, Inc.  
> (419) 281-7777 x232  
>

-----

Date: Tue, 9 Dec 2003 09:20:52 -0500  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Cc: <sergio@philway.com>  
Subject: [162609] Re: gel cell question..  
Message-ID: <007b01c3be5f\$a7375de0\$090044c0@BrianBoru>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

10 Ah is a little big to lug into the field, and overkill for a K1. I have a 7Ah combined battery/light/charger that is handy because it's all in one, and can be charged from 110 or from the car, but it's too heavy and too much battery for the K1 as well. Even a week long trip hardly touches it. The internal battery option works pretty well, but for a little longer excursion you might look into something more like 2Ah.

With the internal battery option, I wonder whether the recharging thing is worthwhile. Alkalines, or better yet, lithiums, last a bunch longer than NiCds or NiMH. A couple sets of alkalines will easily get you through a weekend on the K1. For me, the hassle of recharging is hardly worth it. I get more time on my K1 and less to carry. It is more expensive, and if you're out portable every weekend your calculation might be different. But for me, it's worth it for the reduced hassle.

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr>  
didileydadidah      QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Sergio T. Ruiz" <sergio@philway.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Tuesday, December 09, 2003 9:01 AM  
Subject: gel cell question..

>  
> although my k1 building will be on hold for about a week (i have the  
filter  
> board and front panel done!) as we finally get to move (woo hoo!) i  
thought  
> i would ask this before i get there..  
>  
> is there any trick to charging those 10ah gel cells i see floating around?  
>  
> i would love to use one to power my k1 in the field, and maybe even while

i  
> am at home.. so i can keep from turning on a power supply and having yet  
> more cables in the area..  
>  
> this would also give me a good feel for battery life without having to  
> sweat it..  
>  
> thanks in advance..  
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> oh! and for the record..  
>  
> i went with 150khz tuning, and 17m...  
>  
> thanks again!  
>  
> ----  
> Sergio T. Ruiz  
> technology and MIS  
> Philway Products, Inc.  
> (419) 281-7777 x232  
>  
>

-----  
Date: Tue, 9 Dec 2003 06:28:49 -0800 (PST)  
From: John Kalotai <n1olo@yahoo.com>  
To: sergio@philway.com,  
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [162610] Re: gel cell question..  
Message-ID: <20031209142849.97384.qmail@web80003.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hi Sergio and All,

Well, the first thing is to check whether its a cell with gelled electrolyte or a sealed lead acid battery. There is a difference.

The majority of the inexpensive rechargable batteries that are floating around are sealed lead acids that were pulled from alarm systems or UPS's. These can be charged with most any charger so long as you adhere to manufacturer's recommendation for charge rate. The batteries I have were manufactured by Yuasa and Panasonic and have the charge rates printed on the battery.



I use a 500ma 15v wall wart to charge the smaller 2.3ah batteries and an auto battery charger for my larger 17ah & 34ah batteries. I use a Whatt Meter from West Mountain to monitor the voltage and charge status.

I've been using these batteries for better 4 years! The real secret with any lead acid battery is to make sure you recharge it ASAP when you are done with it.

BTW- while traveling, I've charged two of the 2.3 ah batteries that I use with my 817 by plugging them into the cigarette lighter outlet.

73

John N10LO

--- "Sergio T. Ruiz" <sergio@philway.com> wrote:

>  
> although my k1 building will be on hold for about a week (i have  
> the filter  
> board and front panel done!) as we finally get to move (woo hoo!) i  
> thought  
> i would ask this before i get there..  
>  
> is there any trick to charging those 10ah gel cells i see floating  
> around?  
>  
> i would love to use one to power my k1 in the field, and maybe even  
> while i  
> am at home.. so i can keep from turning on a power supply and  
> having yet  
> more cables in the area..  
>  
> this would also give me a good feel for battery life without having  
> to  
> sweat it..  
>  
> thanks in advance..  
>  
> oh! and for the record..  
>  
> i went with 150khz tuning, and 17m...  
>  
> thanks again!  
>  
> ----

> Sergio T. Ruiz  
> technology and MIS  
> Philway Products, Inc.  
> (419) 281-7777 x232  
>

-----  
Date: Tue, 09 Dec 2003 09:03:32 -0600  
From: Jim Giammanco <giamman@rouge.phys.lsu.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [162611] Re: Getting it right  
Message-ID: <3FD5E444.2B7B3DE2@rouge.phys.lsu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

>K5DI wrote:  
>This morning I plugged into my keyer and with screwdriver and  
>longnose pliers I got the dot and space gaps as small as possible. Sent  
  
>a little code and was happy but wanted the fingers a little closer. I  
am  
>used to a Bencher which are closer. But I don't think I can mount the  
>guitar picks inside because the screw heads will be too close, I think.

-----  
I milled a recess on the end of the paddle arms so that the fingerpieces  
can be mounted on the inside of the arms. It works well and the two  
scorpions are not obscured :^))

I'm not finished polishing yet (one more grit, MAAS, and laquer yet to  
go), but I'll make a loose assembly tonight and take a photo I can post  
on my web page tomorrow to show the closer paddle spacing.

72  
Jim N5IB

-----  
Date: Tue, 09 Dec 2003 09:11:54 -0600  
From: Jim Giammanco <giamman@rouge.phys.lsu.edu>  
To: qrp-1@Lehigh.EDU

Subject: [162612] FEMA weighs into BPL  
Message-ID: <3FD5E63A.4B7E59F0@rouge.phys.lsu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

<<http://www.arrl.org/news/stories/2003/12/08/1/?nc=1>>

Looks like the proverbial fertilizer has found the air handler....

Jim N5IB

-----  
Date: Tue, 9 Dec 2003 10:17:38 -0500  
From: "Noyce, Bill" <william.noyce@hp.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [162613] Re: Slug tuned coil winding question.  
Message-ID:  
<6D6463F31027B14FB3B1FB094F2C7447047DA002@tayexc17.americas.cpqcorp.net>  
Content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

There are some formulas for iron-powder slug-tuned coil forms at  
<http://www.bytemark.com/products/l33cf.htm>  
and the following pages (click on the right arrow at the top).  
Perhaps one of these forms matches what you've got. I believe  
they're color coded (-2 is red, -6 is yellow, etc).  
-- Bill, AB1AV

-----  
Date: Tue, 9 Dec 2003 07:25:39 -0800 (PST)  
From: Lloyd Lachow <llachow@yahoo.com>  
To: "Li'l Piggies" <fpqrp-l@mpna.com>, sidebar a <Sidebar@vk2tips.com>,  
a low-energy group <qrp-l@lehigh.edu>  
Subject: [162614] gift idea for kids  
Message-ID: <20031209152539.71525.qmail@web41009.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

The book, "Radio Rescue," by Lynne Barasch, is a  
wonderful book for kids. Lynne is the daughter of a

ham who was licensed at age 12 or so, long, long ago. This well-written and well-illustrated book tells the true story of his interest in ham radio, including a lot about learning and using the Morse code. He also participated in a hurricane rescue! There's a photo at the end of this young ham, dwarfed by his homebrew gear. My kids started making up messages for me in code after reading it, and have re-read it many times. You can even find some good-condition used ones, on sites like Amazon.com.

LL

-----  
Do you Yahoo!?  
New Yahoo! Photos - easier uploading and sharing.  
<http://photos.yahoo.com/>

-----  
Date: Tue, 09 Dec 2003 10:50:44 -0500  
From: "Dennis Ponsness" <wb0wao@hotmail.com>  
To: giamman@rouge.phys.lsu.edu, qrp-1@Lehigh.EDU  
Subject: [162615] RE: FEMA weighs into BPL  
Message-ID: <Law11-F100pXlH0EUBp00020fa3@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>  
>Looks like the proverbial fertilizer has found the air handler....  
>

LOL! However, perhaps a better simile - given one of FEMA's mandates - is that FEMA "exercised the nuclear option"!

72 es oo

Dennis - WB0WAO

EN84ij Iosco County, Michigan  
MultiPig+ #3 - K2 #3555  
DSW-II-20 - SW-40+ - SW-30+  
RM-20 - RM-40

FPQRP #-347

Charter Member - Michigan DX Association

www.wb0wao.com

:=)

-----  
Wonder if the latest virus has gotten to your computer? Find out. Run the  
FREE McAfee online computer scan!

<http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963>

-----  
Date: Tue, 9 Dec 2003 11:08:12 -0500  
From: "Cal Cotner" <cal.jsi@verizon.net>  
To: "QRP-L" <qrp-l@Lehigh.edu>  
Subject: [162616] Re: gift idea for kids  
Message-ID: <000301c3be6e\$a6043740\$fc53fea9@Sharon>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi all,

I heartily agree with Lloyd's comments on "Radio Rescue"! My sister,  
who is in Special Education, sent me a copy with the comment that it was the  
first children's book on amateur radio she'd ever come across. It's a good  
read, even for those among us who are in our second childhood.

72/73

Cal K4JSI

-----  
Date: Tue, 9 Dec 2003 09:15:23 -0700  
From: "KXBill" <KXB-1@cox.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [162617] LAB, Sulfated plates.  
Message-ID: <005901c3be6f\$a63d7a40\$76d70344@ph.cox.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Any ideas out there on how to eliminate sulfated plates in a lead acid  
battery? Have a couple around that I would like to restore.

Cheers and Merry Holiday's (???)

KXBill (W7KXB)

-----  
Date: Tue, 9 Dec 2003 10:12:30 -0600  
From: "Terry" <mutabut@net66.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [162618] My new HDTV radiates...any rfi suggestions.  
Message-ID: <005101c3be6f\$605b4f70\$0100a8c0@atlas>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello,

My shiny new HDTV radiates right into my radios. I have put ferrite cores on various cables going into and going out of the HDTV. (just moving the same core around from cable to cable) This has had no effect.

So, I ask the group, should I just buy a "bunch" of toroids and do all cables into and out of the HDTV or...or well I'm open to suggestions.

73,

Terry KA9TXE

-----  
Date: Tue, 09 Dec 2003 10:40:13 -0600  
From: dave <hottell@gulftel.com>  
To: giamman@rouge.phys.lsu.edu  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [162619] Re: FEMA weighs into BPL  
Message-ID: <3FD5FAED.8070306@gulftel.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Jim,

Thanks for the heads-up. They make some good points in their comments.

Don't know if it played any role, but, back on July 31 I sent a letter to Mr. Ridge's office pointing out the potential harm to HF communications that occurs from BPL and asked what impact that would have on them. I suspect

several others did likewise. Don't know if it played any role at all, but at least it makes one feel like they \*may\* have helped in at least a small way.

73 de dave  
ab9ca

Jim Giammanco wrote:

> <<http://www.arrl.org/news/stories/2003/12/08/1/?nc=1>>  
>  
> Looks like the proverbial fertilizer has found the air handler....  
>  
> Jim N5IB  
>  
>  
>  
>

-----  
Date: Tue, 9 Dec 2003 11:46:32 -0500  
From: "Nick Foster" <[nfoster@bluefinrobotics.com](mailto:nfoster@bluefinrobotics.com)>  
To: "'Low Power Amateur Radio Discussion'" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [162620] RE: LAB, Sulfated plates.  
Message-ID: <[000001c3be74\\$006245b0\\$ed00a8c0@PECKERHEAD](mailto:000001c3be74$006245b0$ed00a8c0@PECKERHEAD)>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: 7bit

If they're lightly sulfated, "shock" charging them can do it. Usually they pulse high current into the battery with a low duty cycle to break it up. Expensive (\$50) SLA chargers will have this feature.

Heavily sulfated plates = new battery.

--nick

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [<mailto:owner-qrp-1@Lehigh.EDU>] On Behalf Of KXBill  
Sent: Tuesday, December 09, 2003 11:15 AM  
To: Low Power Amateur Radio Discussion

Subject: LAB, Sulfated plates.

Any ideas out there on how to eliminate sulfated plates in a lead acid battery? Have a couple around that I would like to restore. Cheers and Merry Holiday's (???) KXBill (W7KXB)

-----  
Date: Tue, 9 Dec 2003 11:09:03 -0600  
From: "Tom WB5KHC" <wb5khc@2hams.net>  
To: "QRP L Mailing List" <qrp-l@lehigh.edu>  
Subject: [162621] FREE 5" Round Tin for Construction projects  
Message-ID: <E1ATlIR-0006Bj-00@host22.ipowerweb.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Best Buy has a "freebie" to Reward Card holders.

It is a nice round tin 5" in diameter and 3/4" thick. It is red and white and contains a music CD and a circular non-conductive foam pad. The music CD goes in the waste bin and the tin goes on the shelf for a future project.

"Heads Up" to those who build.

Tom Owens, WB5KHC  
QRP ARCI 10645  
Fists 7865/CC 1026  
QRP ARCI Contest Mgr & Certificate Mgr

-----  
Date: Tue, 9 Dec 2003 12:19:40 EST  
From: NB6M@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [162622] Rigs Gone to Deserving Hams  
Message-ID: <24.4b27d9ae.2d075e2c@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit



Hi All,

As you might guess, there were a few emails waiting for me this morning, and I have responded to the first two, arranging to send the two rigs mentioned to deserving new hams.

I would like to be able to supply a rig to all, but since I can't do that, at least I can help a couple.

Thanks for the responses, and all the best to you and yours for Christmas and the New Year.

72

Wayne NB6M

-----  
Date: Tue, 9 Dec 2003 11:39:56 -0600  
From: "Joe Martin" <km5cw@wt.net>  
To: "QRP-1" <qrp-1@Lehigh.EDU>  
Subject: [162623] Re: Rigs Gone to Deserving Hams  
Message-ID: <013101c3be7b\$76b2f3c0\$268177d8@JoesHome1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: <NB6M@aol.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Tuesday, December 09, 2003 11:19 AM  
Subject: Rigs Gone to Deserving Hams

> Hi All,  
>  
> As you might guess, there were a few emails waiting for me this morning,  
> and  
> I have responded to the first two, arranging to send the two rigs  
> mentioned to  
> deserving new hams. at  
> least I can help a couple.  
>  
> Thanks for the responses, and all the best to you and yours for Christmas  
> and

> the New Year.72  
> Wayne NB6M  
Thank you Wayne for being a great example to us all for the spirit of Ham  
radio and QRP  
72 de KM5CW Joe

-----  
Date: Tue, 09 Dec 2003 17:50:08 +0000  
From: "Bruce Prior" <n7rr@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [162624] N2DAN Mercury Paddle on eBay  
Message-ID: <BAY1-F57SqJjLw41hLI00019ca1@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I notice that one of the rare N2DAN Mercury Paddles is available on eBay.  
N2DAN passed away several years ago, so there will be no more originals.  
The serial number is a bit higher than my #241. Is mine for sale? No way,  
no how! Am I building a Scorpion paddle? Yep, as soon as the kit arrives!  
72,

J. Bruce Prior N7RR  
Kairos Research  
853 Alder Street  
Blaine, WA 98230-8030  
360-332-6046

Patronize tobacco-free enterprises and institutions.

-----  
Wonder if the latest virus has gotten to your computer? Find out. Run the  
FREE McAfee online computer scan!  
<http://clinic.mcafee.com/clinic/ibuy/campaign.asp?cid=3963>

-----  
Date: Tue, 09 Dec 2003 18:32:04 +0000  
From: Chuck Adams <k7qo@commspeed.net>  
To: qrp-l@lehigh.edu  
Subject: [162625] [AZpaddle] Finishing Hints and Kinks  
Message-ID: <5.2.1.1.0.20031209181121.01d63f18@mail.commspeed.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Since I have gotten several people to ask me the same question, let me answer to the group at large also.

1. Should I use the toaster oven for curing like I do Al cases?  
No. Since you will have all sides of the brass lacquered up I recommend you dry at room temps for at least 24 hrs. Find yourself long 4-40 screws to hold the parts off of the surface underneath. I use an Al plate with holes to hold the screws with nut to the plate. You'll need one screw per part and spaced out to avoid contact with the other parts.
2. To avoid dust ( since you'll most likely dry this outside the living area of the house) I use a large piece of cardboard above the parts, with the parts some where near the middle. Think of this like a shed. Find books, etc. to hold the "shed" above the parts without touching them, but not too much room above the parts for dust to sneak under and land on the sticky stuff. And don't drop the cardboard on the drying pieces!!!
3. When you get close to the final sanding, you might consider wearing surgical gloves (they are cheap by the box at Walgreen's, etc.) to keep your paws clean and the paddle clean also.
4. If you want the close spacing, but don't have \$300 or more invested in a milling machine, then if you have a very small file, you can take off 1/3 of the thickness of the arm for a rectangular area just inside around the mounting hole for mounting the finger pieces on the inside. But you do have to do this very carefully, of course. Think and plan ahead if you are going to do this. The finger pieces are only 2mm thick, so you don't have much room there to play with.

Isn't it funny? We spend \$25 for a paddle. The expense for gas and the sandpaper, extra springs, cleaner, paint, .... adds up. :-) But that is the fun of doing this.

Chuck Adams K7QO                      k7qo@commspeed.net  
<http://www.qsl.net/k7qo>              CP-60

Moving to Arizona? Please bring your own water.

-----

Date: Tue, 9 Dec 2003 13:48:04 -0500

From: Michael Babineau <michael.babineau@sympatico.ca>  
To: qrp-1@Lehigh.EDU  
Subject: [162626] re:[microvert] very short antenna  
Message-ID: <388DB102-2A78-11D8-8F7A-00039309268A@sympatico.ca>  
Mime-Version: 1.0 (Apple Message framework v552)  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Content-Transfer-Encoding: 7bit

A key element of the Microvert is how the feedline is connected.

The shield is left floating at the antenna, and at a distance of a quarter wavelength from the antenna there is a choke balun on the feed. So ... according to an analysis article published in AntenneX some time ago it is this 1/4 wave section that actually does most of the radiating.

I think that the so-called vertical part simply allows the whole thing to resonate on whatever band it is designed for. So needless to say, you want to get that coax piece up in the air as high as you can and not lie it on the ground as I believe the author suggests.

Michael VE3WMB

-----  
Date: Tue, 9 Dec 2003 11:00:38 -0800  
From: Mark Danner <MarkD@mfwl.org>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [162627] RE: ScQRPion Paddle  
Message-ID: <49B4D83BB849004A99F31EDE1237446B2554E9@mail.mfwl.org>  
MIME-Version: 1.0  
Content-Type: text/plain

Grabbed a hand full of springs and threw them on the floor.

Practice makes perfect!

: -)

(Still waiting for the list - gonna be batch #2 I'm afraid!)

Mark  
AB7MP

-----  
Date: Tue, 9 Dec 2003 14:08:17 -0500  
From: "JBCrafts" <jbcraft@adelphia.net>  
To: <nfoster@bluefinrobotics.com>,  
      "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [162628] RE: LAB, Sulfated plates.  
Message-ID: <AGEJJBFLLHMOECFDINOMEFOEDAA.jbcraft@adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

While attending a seminar on RV electrical systems, the presenter said that the way to "restore" heavy sulfated batteries was to drain the battery and dispose of the acid.

Wash with distilled water.

Let it dry.

The CAREFULLY drop the dry battery onto a hard surface. There is a line between cracking the case and busting up the sulfides, so do not want to crack the case. duh...

After you have drop kicked the battery, look inside and see if the plates are clean... drop as needed :)

After you have broken up the sulfides, did not crack the case, and before you need to mend your garage floor, wash the battery out again with distilled water.

Refill with battery charging acid - you know the stuff they sell when you buy a new battery.

and charge the battery.

You may not completely recover the battery, but then again you may have completely recovered the battery... and you need to decide if you want to buy a new battery or take a chance on a couple gallons of distilled water, acid, and a couple hours time.

I did this... and it worked!

I had three batteries in the motorhome that were heavily sulfated. I recovered two and use them for my battery backup system in the basement.

00

Bob K8YS

If they're lightly sulfated, "shock" charging them can do it. Usually they pulse high current into the battery with a low duty cycle to break it up. Expensive (\$50) SLA chargers will have this feature.

Heavily sulfated plates = new battery.

--nick

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of KXBill

Sent: Tuesday, December 09, 2003 11:15 AM

To: Low Power Amateur Radio Discussion

Subject: LAB, Sulfated plates.

Any ideas out there on how to eliminate sulfated plates in a lead acid battery? Have a couple around that I would like to restore. Cheers and Merry Holiday's (???) KXBill (W7KXB)

-----  
Date: Tue, 09 Dec 2003 11:16:19 -0800

From: Adam Farson <farson@shaw.ca>

To: NB6M@aol.com

Cc: Low Power Amateur Radio Discussion <qrp-1@LEHIGH.EDU>

Subject: [162629] RE: Rigs Gone to Deserving Hams

Message-ID: <DMEILAEADPNBAHKBNMMHOEAGHCAA.farson@shaw.ca>

MIME-version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Hi Wayne,

Your generosity during this holiday season is what we, in our tradition, call a "mitzvah" - an act of kindness for which you will be truly blessed.

Cheers for now, 73,  
Adam VA70J/AB40J

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
NB6M@aol.com  
Sent: Tuesday, December 09, 2003 09:20  
To: Low Power Amateur Radio Discussion  
Subject: Rigs Gone to Deserving Hams

Hi All,

As you might guess, there were a few emails waiting for me this morning, and  
I have responded to the first two, arranging to send the two rigs mentioned  
to  
deserving new hams.

I would like to be able to supply a rig to all, but since I can't do that,  
at  
least I can help a couple.

Thanks for the responses, and all the best to you and yours for Christmas  
and  
the New Year.

72

Wayne NB6M

-----  
Date: Tue, 9 Dec 2003 14:23:20 -0500  
From: "JBCrafts" <jbcraft@adelphia.net>  
To: <KXB-1@cox.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [162630] RE: LAB, Sulfated plates. - more  
Message-ID: <AGEJJBFPLHMOECFDINOKEFPEDAA.jbcraft@adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Oh yea, one other thing... the presenter suggested a device called a Battery Minder. He said that it pulses a 3 MHz signal into the battery bank and it breaks up crystals.

I wanted to see what freq it worked at, so using my FT817, I heard a pulse on 3.330MHz.

The theory behind it is that a lead crystal will shatter at 3.33MHz. They CLAIM that they work, and truckers buy the majority of devices sold.

00  
Bob K8YS  
FP #78

If they're lightly sulfated, "shock" charging them can do it. Usually they pulse high current into the battery with a low duty cycle to break it up. Expensive (\$50) SLA chargers will have this feature.

Heavily sulfated plates = new battery.

Any ideas out there on how to eliminate sulfated plates in a lead acid battery? Have a couple around that I would like to restore. Cheers and Merry Holiday's (???) KXBill (W7KXB)

-----  
Date: Tue, 09 Dec 2003 14:59:00 -0500  
From: "Thomas Lewis" <thomas\_h\_lewis@msn.com>  
To: w5jh@swlink.net, qrp-1@Lehigh.EDU  
Subject: [162631] Speaking of bargains  
Message-ID: <BAY5-F24xNKZvEHAoD7000239ea@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I was looking for some wire to tie to the end of my new MFJ 33 ft. pole. At the Home Depot I found bell wire, 3 #20, marked down from 17 cents to one penny per foot. So I took a buck's worth. 300 ft. of wire for a buck. Thats a bargain.

I got the MFJ 33 ft. pole at the Tampa Bay Hamfest from CT Morgan Associates



for \$66 vs. \$80 from MFJ (who was also at the show). While setting it up today, with one strand of my new bell wire tied to the end, the tip broke off. There is another bargain. We'll see how the "No Matter What" guarantee works.

Tom  
K4THL

>AZ ScQRPion leader John Stevens, K5JS, is the "king" of dollar stores. He  
>finds more bargains than the rest of us put together!  
>  
>Jerry W5JH  
>  
>

-----  
Cell phone switch rules are taking effect find out more here.  
<http://special.msn.com/msnbc/consumeradvocate.armx>

-----  
Date: Tue, 09 Dec 2003 21:11:36 +0100  
From: Ingo Meyer DK3RED <dk3red@t-online.de>  
To: qrp-l@lehigh.edu  
Subject: [162632] Re: [microvert] very short antenna (but > 50 dB gain)  
Message-ID: <5.2.1.1.1.20031209211126.009ed640@pop.btx.dtag.de>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Karl, K5DI,

> I was interested in the German's DL7PE wonderful antenna until I  
>found the .pdf and read that and found the author was very proud of his  
>antenna which was only 10 DB below a full length dipole.  
>  
> Here in New Mexico, if you divided the land into the population  
>each person has 986 acres. We can put up full size antennas.

Like Jim wrote: It's easy to built an full size antenna if you can see from your home door to the horizon. But an antenna like this one had a gain of more than 50 dB for people in the cities. Yes, try it! It has more than 50 dB gain over my full size dipole which I can't build up in the sky here in the town. ;o))

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de    <http://www.t-online.de/~dk3red>  
DL-QRP-AG    #824    <http://www.dl-qrp-ag.de>  
QRP ARCI    #11295    <http://www.qrparci.org>

-----  
Date: Tue, 9 Dec 2003 14:45:21 -0600  
From: "Jim Sheldon" <w0eb@cox.net>  
To: <michael.babineau@sympatico.ca>,  
      "QRP-L Mailing List" <qrp-l@Lehigh.EDU>  
Subject: [162633] RE: [microvert] very short antenna  
Message-ID: <IBEGLCMLCDHHEFLBPHBOCEFECPAA.w0eb@cox.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Michael, Antennex is wrong on this one. The counterpoise does not radiate much at all. The RF Sniffer shows very very little radiation from the counterpoise. The capacitive portion of the antenna (vertical rod) is the part that radiates. This antenna operates as a shortened vertical. The major difference between this one and the PAC-12 is this antenna is "base loaded" and the PAC-12 is "Center Loaded" The vertical portion of both is the radiator. BTW, Bob, I'm still working on one for 160 meters. Wish I had it completed in time for the contest this past weekend, but not enough time to do it.

Jim, W0EB

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Michael Babineau  
Sent: Tuesday, December 09, 2003 12:48 PM  
To: Low Power Amateur Radio Discussion  
Subject: re:[microvert] very short antenna

A key element of the Microvert is how the feedline is connected.

The shield is left floating at the antenna, and at a distance of a quarter wavelength from the antenna there is a choke balun on the feed. So ... according to an analysis article published in AntenneX some time ago it is this 1/4 wave section that actually does most of the radiating.

I think that the so-called vertical part simply allows the whole thing to resonate on whatever band it is designed for. So needless to say, you want to get that coax piece up in the air as high as you can and not lie it on the ground as I believe the author suggests.

Michael VE3WMB

-----  
Date: Tue, 9 Dec 2003 15:30:32 -0600  
From: George Fremin III <geoiiii@kkn.net>  
To: qrp-1@lehigh.edu  
Subject: [162634] FOX: K5TR fox Announcement was FOX: W8RU Fox Announcement  
Message-ID: <20031209213031.GA21535@kkn.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Mon, Dec 08, 2003 at 01:47:09PM -0800, Ron Majewski wrote:

> Hello Everyone,  
>  
> My name is Ron and I will one of da Foxes (along with  
> George, K5TR) from 0200-0400 utc on Wednesday, 10  
> December. This is the evening of Tuesday, 9 December  
> in the US.

As Ron said above, I will be the other FOX tonight.

> I plan to operate above 7040 and will definitely be  
> working split, particularly at the start of the hunt.  
> I try to listen both above and below my transmitting  
> frequency but often other nearby QSOs force me to work  
> only one side.

I will not be above 7040.

I too will be operating split unless no one is calling.

> I live in Michigan in the metropolitan Detroit area.  
> I'll be using an FT-1000 running 5 watts and my  
> antenna will be a 2 element yagi at 65ft. I will  
> definitely be rotating the antenna around to give all  
> headings a listen.

I live out in the country.  
I will be running one (or maybe two) Kenwood TS-850S radios  
at 5 watts output. I have a 2 ele yagi at 100' and a  
dipole at 60'. I also have some beverage receiving antennas.

I look forward to working all of you tonight.

73

--

George Fremin III - K5TR  
geoiii@kkn.net  
<http://www.kkn.net/~k5tr>

-----  
Date: Tue, 9 Dec 2003 13:36:11 -0800  
From: "Trevor Jacobs" <kg6cyn@softhome.net>  
To: dk3red@t-online.de,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [162635] Re: [microvert] very short antenna (but > 50 dB gain)  
Message-ID: <005401c3be9c\$791af010\$080b280a@etclink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ok, am I missing something here? A short antenna with 50dB of gain over a  
full sized dipole? I find this hard to believe, but would love to see the  
data to back it up. Anyone have a link to the information? I already  
checked, and it's not April 1st ;-)

73's Trev KG6CYN  
<http://www.qsl.net/kg6cyn>  
----- Original Message -----  
From: "Ingo Meyer DK3RED" <dk3red@t-online.de>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Tuesday, December 09, 2003 12:11 PM  
Subject: Re: [microvert] very short antenna (but > 50 dB gain)

> Hello Karl, K5DI,

>

> > I was interested in the German's DL7PE wonderful antenna until I  
> > found the .pdf and read that and found the author was very proud of his

> >antenna which was only 10 DB below a full length dipole.  
> >  
> > Here in New Mexico, if you divided the land into the population  
> >each person has 986 acres. We can put up full size antennas.  
>  
> Like Jim wrote: It's easy to built an full size antenna if you can see  
from  
> your home door to the horizon. But an antenna like this one had a gain of  
> more than 50 dB for people in the cities. Yes, try it! It has more than 50  
> dB gain over my full size dipole which I can't build up in the sky here in  
> the town. ;o))  
>  
> 72/73 de Ingo, DK3RED Don't forget: the fun is the power!  
>  
> dk3red@t-online.de <http://www.t-online.de/~dk3red>  
> DL-QRP-AG #824 <http://www.dl-qrp-ag.de>  
> QRP ARCI #11295 <http://www.qrparci.org>  
>  
>

-----  
Date: Tue, 9 Dec 2003 14:04:51 -0800 (PST)  
From: Nelson Winter <thenels@go.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [162636] QRP ToTheField 2003 ?  
Message-ID: <3613302.1071007491431.JavaMail.thenels@gomailjtp01>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 7bit

Has anyone seen the results from the QRP TTF contest from 2003 printed or posted  
anywhere?

Nelson Winter  
WB6DWD

Less = More  
<http://www.qsl.net/wb6dwd/>  
RM-40/30/20  
QRP-L #2482

-----  
Check-out GO.com  
GO get your free GO E-Mail account with expanded storage of 6 MB!  
<http://mail.go.com>

-----  
Date: Tue, 9 Dec 2003 17:13:22 -0500  
From: "Marty Hartwell" <chartwell@worldnet.att.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [162637] Hint  
Message-ID: <LCEBJOKPGPNGOAKECJNGIELBCNAA.chartwell@worldnet.att.net>

Hi

Something to consider if you loose the spring to you paddle. Even if it is just temporary. Try a spring from a simple click pocket pen. I don't know about you but I have a lot of those in my junk drawer. It may not be perfect but you can spread it out and cut it off and keep trying to get it right.

Marty kd8bj

---

Outgoing mail is certified Virus Free.  
Checked by AVG anti-virus system (<http://www.grisoft.com>).  
Version: 6.0.547 / Virus Database: 340 - Release Date: 12/2/03

-----  
Date: Tue, 9 Dec 2003 17:15:13 -0500  
From: Michael Babineau <michael.babineau@sympatico.ca>  
To: <w0eb@cox.net>  
Cc: "QRP-L Mailing List" <qrp-l@Lehigh.EDU>  
Subject: [162638] Re: [microvert] very short antenna  
Message-ID: <28E0E41E-2A95-11D8-8F7A-00039309268A@sympatico.ca>  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Mime-Version: 1.0 (Apple Message framework v552)  
Content-Transfer-Encoding: 7bit

Jim :

I'll have to go back and give the AntenneX article another read. I can't remember if it was a theoretical analysis or whether they tried to actual measure radiation from the antenna and feedline.

If you say that your RF sniffer shows little radiation from the counterpoise I can't dispute that ... so I stand corrected.

Obviously this merits another look.

Thanks for the info ...

Michael VE3WMB

On Tuesday, December 9, 2003, at 03:45 PM, Jim Sheldon wrote:

> Michael, Antennex is wrong on this one. The counterpoise does not  
> radiate  
> much at all. The RF Sniffer shows very very little radiation from the  
> counterpoise. The capacitive portion of the antenna (vertical rod) is  
> the  
> part that radiates.  
>

-----  
Date: Tue, 09 Dec 2003 17:19:38 -0500  
From: Kenneth Cooperstein <cprstn54@att.net>  
To: qrp-1@Lehigh.EDU  
Subject: [162639] Power supply -- too many conductors!  
Message-ID: <3FD64A7A.1030606@att.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii; format=flowed  
Content-transfer-encoding: 7BIT

I bought a small surplus regulated 12V supply with a ferrite on the 12V side. The 12V cable is quite thick and was fitted with an integral 5mm/2.5mm coax power terminator.

I cut the 12V cable to fit a PowerPole. To my surprise, instead of finding two 16 ga. conductors, I found, in addition, two 24 ga. conductors, a bare wire and foil sheathing.

When I powered it up, I initially measured 12V across the two 16ga conductors. That quickly went to zero and never moved off zero thereafter.

There was no heat, no smoke and no noise. Apparently, those little conductors are telling the PS something (that there is a short or open circuit?). Maybe there are some smarts in the plug? Does anyone know how I can get a powerpole on this cable?

I figure I can always splice the cable back to where it was and look for a 5mm/2.5mm jack, but I would like to solve this a little more elegantly.

Ken KC2JDY

-----  
Date: Tue, 9 Dec 2003 14:28:14 -0800  
From: "Anthony Felino" <wn6q@pacinfotech.com>  
To: <qrp-1@Lehigh.edu>  
Subject: [162640] ft-817  
Message-ID: <200312091428.AA803012756@pacinfotech.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I'm back on the list after having email stress for several months.

I just bought an FT-817 from Texas Towers for \$459 after rebate, including a nicad pack and charger. This is a lot of radio for the money, and I really enjoyed playing with it this weekend. It ran all weekend on a discarded ELT battery that I got from my airplane mechanic. The batts get thrown away after 2 years with no use on them, so every year at annual inspection time I load up on them.

It was a very strange feeling to be in a 40m SSB roundtable getting s7 to s9 reports while talking on this tiny thing. Just doesn't seem right.

In general, the radio is easy to use and does what it does moderately well. I use it mostly for CW, and even without the 500Hz filter it is nice to use. Yaesu set up the IF shift for single-signal reception with the wide filter, and it also has an RF gain control and IF shift control so there aren't many situations where I would absolutely need the 500Hz filter.

But then I prefer to use "ear selectivity" rather than sharp filters. Heck, probably 90% of my operating can be done with one of the many simple regens that I have made over the years. So you can see that this is coming from someone who is not a contester. I have had receivers with good filters, including an R-4C with a 250Hz filter, and I have done the experiment many times of finding a really weak signal and trying to copy it. It seems as though, in the absence of really strong QRM, filtering doesn't help all that much. I did notice a small improvement when using the Drake 250Hz filter, but the effect was small. If power line noise is very strong the filtering helps, but even then operating isn't that much fun. At times I think it will be less fatiguing to not have to listen to 3 or 4 signals at once so I switch to a narrow filter, but then it feels fatiguing to listen to the bandwidth-limited CW signal and I switch back.



If you think that's wierd, then I should tell you that I also like using old 2K ohm phones. I think CW sounds better coming through a pair of WE 509W's.

I have also noticed that some signals are easier to copy on some receivers than on others. Several times I found really weak signals that were easier to copy on the BC-348 than on the R-4C. They sounded like the Drake was pulling them out better, but if I really tried to copy the CW, the 348 was better. Maybe having the extra sideband energy helps the (my) brain determine when the other guys key is down. Anyway, it's one of those mysteries that make this radio thang such an absorbing activity.

In W7ZOI's newest book Experimental Methods in RF Design he talks about making "good sounding" filters, and I think my rantings above may have some relation.

That said, does anybody have a spare 500Hz filter for the FT-817? There appear to be several filters available from people other than Yaesu, and I'd be interested in any of them if the price is right.

--

\*\*\*\*\*

Anthony Felino, WN6Q  
PO Box 2702  
Santa Barbara, Ca 93120  
(805) 216 5287

\*\*\*\*\*

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Date: Tue, 9 Dec 2003 14:28:21 -0800  
From: "richqrp" <richqrp@cox.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [162641] ScQRPion Paddle  
Message-ID: <002701c3bea3\$c0755ed0\$c1770744@wd6fddstssz5sg>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

well after all that worrying, I did not lose the spring, and it all went together very nicely.. all I need right now is the plug, and #33 will be on the air.....

73's Rich

----- Original Message -----

From: "Mark Danner" <MarkD@mfwfwi.org>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, December 09, 2003 11:00 AM  
Subject: RE: ScQRPion Paddle

> Grabbed a hand full of springs and threw them on the floor.  
>  
> Practice makes perfect!  
>  
> :-)  
>  
> (Still waiting for the list - gonna be batch #2 I'm afraid!)  
>  
> 73  
>  
> Mark  
> AB7MP

-----  
Date: Tue, 9 Dec 2003 17:44:26 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <KXB-1@cox.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [162642] Re: LAB, Sulfated plates.  
Message-ID: <00e701c3bea6\$266e0960\$0200a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> Any ideas out there on how to eliminate sulfated plates in a lead acid  
> battery? Have a couple around that I would like to restore.  
> Cheers and Merry Holiday's (???)  
> KXBill (W7KXB)

There are chemicals around that will 'desulfate' a battery, or at least  
there  
are products that claim to have that ability.

However, they won't repair shorts or other plate damage. Still, they're  
probably a lot cheaper than chucking the battery and buying another.

The one product I remember was VX-7

-----  
Date: Tue, 9 Dec 2003 14:56:57 -0800  
From: "DTX" <dtx@wood.tzo.com>  
To: <qrp-1@lehigh.edu>  
Subject: [162643] Re: [microvert] very short antenna (but > 50 dB gain)  
Message-ID: <021501c3bea7\$bfa0ace0\$0c00a8c0@home>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Oops, you read over the "can't put up here" part, Trevor<G> He, and others like myself, can't even get a 40M dipole up at a very useful height. So if this microvert was only 10db below a full dipole at 1/2 wave elevation, and my 44ft dipole at 17ft is 60 db below said reference dipole, then potentially this microvert could be 50db better than what I have now, not 50db better than the reference dipole ;-)

Gary WA6DTX

----- Original Message -----

From: "Trevor Jacobs" <kg6cyn@softhome.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Tuesday, December 09, 2003 1:36 PM  
Subject: Re: [microvert] very short antenna (but > 50 dB gain)

> Ok, am I missing something here? A short antenna with 50dB of gain over a  
> full sized dipole? I find this hard to believe, but would love to see the  
> data to back it up. Anyone have a link to the information? I already  
> checked, and it's not April 1st ;-)

>

> 73's Trev KG6CYN  
> <http://www.qsl.net/kg6cyn>  
> ----- Original Message -----

> From: "Ingo Meyer DK3RED" <dk3red@t-online.de>  
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> Sent: Tuesday, December 09, 2003 12:11 PM  
> Subject: Re: [microvert] very short antenna (but > 50 dB gain)

>

>

> > Hello Karl, K5DI,

> >

> > > I was interested in the German's DL7PE wonderful antenna until  
I

> > > found the .pdf and read that and found the author was very proud of his  
> > > antenna which was only 10 DB below a full length dipole.

> > >

> > > Here in New Mexico, if you divided the land into the  
 population  
 > > > each person has 986 acres. We can put up full size antennas.  
 > >  
 > > Like Jim wrote: It's easy to built an full size antenna if you can see  
 > from  
 > > your home door to the horizon. But an antenna like this one had a gain  
 of  
 > > more than 50 dB for people in the cities. Yes, try it! It has more than  
 50  
 > > dB gain over my full size dipole which I can't build up in the sky here  
 in  
 > > the town. ;o))  
 > >  
 > > 72/73 de Ingo, DK3RED Don't forget: the fun is the power!  
 > >  
 > > dk3red@t-online.de http://www.t-online.de/~dk3red  
 > > DL-QRP-AG #824 http://www.dl-qrp-ag.de  
 > > QRP ARCI #11295 http://www.qrparci.org  
 > >  
 > >  
 >

-----  
 Date: Tue, 9 Dec 2003 17:59:47 -0500 (EST)  
 From: Chris Cartwright <ccart@phideaux.com>  
 To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
 Subject: [162644] Re: [microvert] very short antenna (but > 50 dB gain)  
 Message-ID: <Pine.LNX.4.21.0312091749390.9288-1000000@dns.phideaux.com>  
 MIME-Version: 1.0  
 Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 9 Dec 2003, Trevor Jacobs wrote:

> Ok, am I missing something here? A short antenna with 50dB of gain over a  
 > full sized dipole?

Must be a typo in that gain number. That's 100,000X gain. My 12 foot  
 dish doesn't have that much gain at 10GHz. And the half power beam width  
 on that dish is 0.6 degrees. Leave the "0" off the 50 and I'd still be  
 leary.

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --  
 -- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --  
 -- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

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Date: Tue, 9 Dec 2003 17:51:01 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <cprstn54@att.net>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [162645] Re: Power supply -- too many conductors!  
Message-ID: <012101c3bea6\$f69c68c0\$0200a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> I bought a small surplus regulated 12V supply with a ferrite on the 12V  
> side. The 12V cable is quite thick and was fitted with an integral  
> 5mm/2.5mm coax power terminator.  
>  
> I cut the 12V cable to fit a PowerPole. To my surprise, instead of  
> finding two 16 ga. conductors, I found, in addition, two 24 ga.  
> conductors, a bare wire and foil sheathing.  
>  
> When I powered it up, I initially measured 12V across the two 16ga  
> conductors. That quickly went to zero and never moved off zero  
thereafter.  
>  
> There was no heat, no smoke and no noise. Apparently, those little  
> conductors are telling the PS something (that there is a short or open  
> circuit?). Maybe there are some smarts in the plug? Does anyone know  
> how I can get a powerpole on this cable?  
>  
> I figure I can always splice the cable back to where it was and look  
> for a 5mm/2.5mm jack, but I would like to solve this a little more  
> elegantly.  
>  
> Ken KC2JDY

Assuming your coaxial plug didn't have multiple 'rings' inside it for more than just two connections...

I think if you still have the plug you cut off and check, you'll find that the extra wires also went to where the 16ga 'power' wires went. More than likely the extra wires were a 'sense' so that the power supply regulated the voltage at the actual connection point (the connector) and not at the supply itself. That way the power supply can compensate for I2R

losses in the connection cable.

Mike

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Date: Tue, 9 Dec 2003 15:15:11 -0800  
From: "Trevor Jacobs" <kg6cyn@softhome.net>  
To: dtx@wood.tzo.com,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [162646] Re: [microvert] very short antenna (but > 50 dB gain)  
Message-ID: <00a001c3beaa\$4c94be00\$080b280a@etclink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ah, I missed the intended pun through these dayquil eyes. They say this cold medicine isn't supposed to effect you too much, but sure makes me a bit light headed. ;-)

Sounded a bit like one of QST's April Fool's gags ;-)

73's Trev KG6CYN  
<http://www.qsl.net/kg6cyn>  
----- Original Message -----  
From: "DTX" <dtx@wood.tzo.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Tuesday, December 09, 2003 2:56 PM  
Subject: Re: [microvert] very short antenna (but > 50 dB gain)

> Oops, you read over the "can't put up here" part, Trevor<G> He, and  
others  
> like myself, can't even get a 40M dipole up at a very useful height. So  
if  
> this microvert was only 10db below a full dipole at 1/2 wave elevation,  
and  
> my 44ft dipole at 17ft is 60 db below said reference dipole, then  
> potentially this microvert could be 50db better than what I have now,  
not  
> 50db better than the reference dipole ;-)  
>  
> Gary WA6DTX  
> ----- Original Message -----  
> From: "Trevor Jacobs" <kg6cyn@softhome.net>  
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Tuesday, December 09, 2003 1:36 PM  
> Subject: Re: [microvert] very short antenna (but > 50 dB gain)  
>  
>  
> > Ok, am I missing something here? A short antenna with 50dB of gain over  
a  
> > full sized dipole? I find this hard to believe, but would love to see  
the  
> > data to back it up. Anyone have a link to the information? I already  
> > checked, and it's not April 1st ;-)  
> >  
> > 73's Trev KG6CYN  
> > <http://www.qsl.net/kg6cyn>  
> > ----- Original Message -----  
> > From: "Ingo Meyer DK3RED" <dk3red@t-online.de>  
> > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> > Sent: Tuesday, December 09, 2003 12:11 PM  
> > Subject: Re: [microvert] very short antenna (but > 50 dB gain)  
> >  
> >  
> > > Hello Karl, K5DI,  
> > >  
> > > I was interested in the German's DL7PE wonderful antenna  
until  
> I  
> > > found the .pdf and read that and found the author was very proud of  
his  
> > > antenna which was only 10 DB below a full length dipole.  
> > >  
> > > Here in New Mexico, if you divided the land into the  
> population  
> > > each person has 986 acres. We can put up full size antennas.  
> > >  
> > > Like Jim wrote: It's easy to built an full size antenna if you can see  
> > from  
> > > your home door to the horizon. But an antenna like this one had a gain  
> of  
> > > more than 50 dB for people in the cities. Yes, try it! It has more  
than  
> 50  
> > > dB gain over my full size dipole which I can't build up in the sky  
here  
> in  
> > > the town. ;o))  
> > >  
> > > 72/73 de Ingo, DK3RED Don't forget: the fun is the power!  
> > >  
> > > dk3red@t-online.de <http://www.t-online.de/~dk3red>

> > > DL-QRP-AG #824 <http://www.dl-qrp-ag.de>  
> > > QRP ARCI #11295 <http://www.qrparci.org>  
> > >  
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End of QRP-L Digest 3129

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